

Supplementary Table 1: Frequency of sexual activity in lockdown compared with 2019 by gender, age, sexuality and relationship status

	N	No sex now & no sex in 2019 n (%)	Less sex compared with 2019 n (%)	Same amount of sex as 2019 n (%)	More sex than in 2019 n (%)	p value*
Overall	883	77 (8.7)	472 (53.5)	208 (23.6)	126 (14.3)	N/A
Gender						
Male	214	21 (9.8)	127 (59.4)	40 (18.7)	26 (12.2)	0.23
Female	629	51 (8.1)	322 (51.2)	160 (25.4)	96 (15.3)	
Gender diverse†	39	5 (12.8)	22 (56.4)	8 (20.5)	4 (10.3)	
Age						
18-29 years	578	51 (8.8)	324 (56.1)	111 (19.2)	92 (15.9)	<0.01
30+ years	300	25 (8.3)	144 (48.0)	97 (32.3)	34 (11.3)	
Sexual identity ‡						
Heterosexual/straight	572	53 (9.3)	289 (50.5)	149 (26.1)	81 (14.2)	<0.01
MSM	80	5 (6.3)	56 (70.0)	14 (17.5)	5 (6.3)	
WSW	195	10 (5.1)	110 (56.4)	38 (19.5)	37 (19.0)	
Other	34	8 (23.5)	16 (47.1)	7 (20.6)	3 (8.8)	
Relationship status§						
In a relationship and cohabiting	321	5 (1.6)	108 (33.6)	146 (45.5)	62 (19.3)	<0.01
In a relationship, not cohabiting	221	10 (4.5)	129 (58.4)	43 (19.5)	39 (17.7)	
Single	307	62 (20.2)	212 (69.1)	12 (3.9)	21 (6.8)	
Other	31	0 (0.0)	21 (67.7)	6 (19.4)	4 (12.9)	

* Chi Square p value; † gender diverse includes trans and non-binary; ‡ MSM=men who have sex with men (including bisexual men); WSW=women who have sex with women (including bisexual women); Other=asexual and non-binary, and those who selected 'something else'; §'In a relationship'= married/de facto/boyfriend/girlfriend/LAT (living apart together) or long distance relationship; 'cohabiting'=living with partner/s; Single=single/divorced/widowed (and did not select another relationship); Other=polymorous or multiple partners (and did not select another relationship option, such as single), and those who indicated in comments that they were casually dating, but not exclusive.

Supplementary Table 2: Type of sex partner/s in lockdown compared with 2019 by gender, age, sexuality and relationship status

	Spouse/partner			Girlfriend/boyfriend			Casual hook up		
	2019 n/N* (%)	Lockdown n/N* (%)	Diff % (95%CI)	2019 n/N* (%)	Lockdown n/N* (%)	Diff % (95%CI)	2019 n/N* (%)	Lockdown n/N* (%)	Diff % (95%CI)
Overall	290/822 (35.3)	225/540 (41.7)	6.4 (3.6, 9.2)	371/822 (45.1)	226/540 (41.8)	-3.3 (-7.0, -0.4)	256/822 (31.4)	42/540 (7.8)	-23.4 (-26.9, -19.8)
Gender									
Male	65/200 (32.5)	49/109 (44.9)	12.4 (5.3, 19.6)	83/200 (41.5)	42/109 (38.5)	-3.0 (-11.3, 5.4)	81/200 (40.5)	12/109 (11.0)	-29.5 (-37.2, -21.8)
Female	207/589 (35.1)	162/407 (39.8)	4.6 (1.6, 7.7)	274/589 (46.5)	177/407 (43.5)	-3.0 (-7.3, 1.3)	162/589 (27.5)	27/407 (6.6)	-20.9 (-24.9, -16.8)
Gender diverse†	18/33 (54.5)	14/24 (58.3)	3.8 (-13.7, 21.3)	14/33 (42.4)	7/24 (29.2)	-13.3 (-29.6, 3.1)	13/33 (39.4)	3/24 (12.5)	-26.9 (-47.4, -6.4)
Age									
18-29	111/531 (20.9)	89/338 (26.3)	5.4 (2.3, 8.6)	305/531 (57.4)	186/338 (55.0)	-2.4 (-7.3, 2.5)	188/531 (35.4)	31/338 (9.2)	-26.2 (-31.0, -21.5)
30+	176/287 (61.3)	135/200 (67.5)	6.2 (1.3, 11.1)	65/287 (22.6)	39/200 (19.5)	-3.1 (-8.4, 2.1)	68/287 (26.7)	11/200 (5.5)	-18.2 (-23.2, -13.1)
Sexual identity‡									
Heterosexual	199/532 (37.4)	158/354 (44.6)	7.2 (3.8, 10.6)	231/532 (43.4)	139/354 (39.3)	-4.2 (-8.4, 0.6)	129/532 (24.2)	23/354 (6.5)	-17.8 (-21.8, -13.7)
MSM	15/73 (20.6)	7/33 (21.2)	0.7 (-12.4, 13.8)	29/73 (39.7)	17/33 (52.5)	11.8 (-4.9, 28.5)	42/73 (57.5)	7/33 (21.2)	-36.3 (-52.5, -20.2)
WSW	58/183 (31.7)	46/129 (35.7)	4.0 (-1.4, 9.4)	97/183 (53.0)	63/129 (48.8)	-4.2 (-13.2, 5.9)	72/183 (39.3)	9/129 (7.0)	-32.4 (-40.4, -24.3)
Other	18/34 (52.9)	14/24 (58.3)	5.4 (-12.2, 22.9)	14/34 (41.2)	7/24 (29.2)	-12.0 (-28.3, 4.3)	13/34 (38.32)	3/24 (12.5)	-25.7 (-46.0, -5.5)
Relationship status§									
In a relationship and cohabiting	222/327 (67.9)	193/285 (67.7)	-0.2 (-2.7, 2.4)	106/327 (32.4)	95/285 (33.3)	0.9 (-2.4, 4.2)	35/327 (10.7)	3/285 (1.1)	-9.7 (-12.9, -6.4)
In a relationship, not cohabiting	37/215 (17.2)	20/141 (14.2)	-3.0 (-7.9, 1.9)	163/215 (75.8)	115/141 (81.6)	5.7 (-1.3, 12.8)	58/215 (27.0)	4/141 (2.8)	-24.1 (-30.7, -17.6)
Single	20/243 (8.2)	2/89 (2.3)	-6.0 (-10.3, -1.7)	85/243 (35.0)	8/89 (9.0)	-26.0 (-34.6, -17.4)	146/243 (60.1)	32/89 (36.0)	-24.1 (-35.7, -12.6)
Other	10/35 (28.6)	9/24 (37.5)	8.9 (-9.0, 26.8)	16/35 (45.7)	8/24 (33.3)	-12.4 (-34.8, 10.1)	17/35 (48.6)	3/24 (12.5)	-36.1 (-59.0, -13.1)

Diff= difference in proportions, 2019-lockdown. Calculated from logistic regression model ; *N=number of people reporting sex during the time period and answering the question; † gender diverse includes trans and non-binary; ‡ MSM=men who have sex with men (including bisexual men), WSW=women who have sex with women (including bisexual women), Other=asexual and non-binary, and those who selected 'something else'; § 'In a relationship'= married/de facto/boyfriend/girlfriend/LAT (living apart together) or long distance relationship; 'cohabiting'=living with partner/s; Single=single/divorced/widowed (and did not select another relationship); Other=polyamorous or multiple partners (and did not select another relationship option, such as single), and those who indicated in comments that they were casually dating, but not exclusive

Supplementary Table 3: Odds ratios for the association of lockdown versus 2019 with app use by characteristics of survey participants

Characteristic	OR (95% CI)*	P value for interaction †
Gender		0.51
Male	0.6 (0.5, 0.8)	
Female	0.5 (0.4, 0.6)	
Other	0.6 (0.3, 1.1)	
Age		0.18
18-29 years	0.5 (0.4, 0.6)	
30+years	0.6 (0.5, 0.8)	
Sexual identity‡		0.07
Heterosexual	0.6 (0.5, 0.7)	
MSM	0.4 (0.3, 0.6)	
WSW	0.3 (0.2, 0.4)	
Other	0.7 (0.4, 1.4)	
Relationship status§		<0.01
In a relationship and cohabitating	0.3 (0.2, 0.4)	
In a relationship but not cohabitating	0.2 (0.1, 0.3)	
Single	0.8 (0.6, 1.0)	
Other	0.4 (0.2, 0.9)	

* Odds ratio for the association between lockdown (versus 2019) and dating app use stratified by different values of the characteristics. † P value from the likelihood ratio test comparing the logistic regression model with and without the interaction between each characteristic and time period (lockdown versus 2019). ‡ MSM=men who have sex with men (including bisexual men); WSW=women who have sex with women (including bisexual women); Other=asexual and non-binary, and those who selected 'something else'. § 'In a relationship' includes those who selected married/de facto/boyfriend/girlfriend/LAT (living apart together) or long distance relationship; 'cohabitating' defined as living with partner/s; Single includes those who selected single/divorced/widowed (and did not select another relationship); Other includes people who selected polyamorous or multiple partners (and did not select another relationship option, such as single), and those who indicated in comments that they were casually dating, but not exclusive.

Supplementary Table 4: Use of dating apps in lockdown compared with 2019 by participant gender, age, sexual identity and relationship status

	Chatting/texting			Organising face-to-face dates			Organising virtual dates		
	2019 n/N* (%)	2020 n/N* (%)	Diff* (95%CI)	2019 n/N* (%)	2020 n/N* (%)	Diff* (95%CI)	2019 n/N* (%)	2020 n/N* (%)	Diff* (95%CI)
Overall	352/392 (89.8)	242/256 (94.5)	4.7 (1.0, 8.5)	271/392 (69.1)	41/256 (16.0)	-53.1 (-59.0, -47.2)	10/392 (2.6)	44/256 (17.2)	14.6 (10.1, 19.2)
Gender									
Male	98/111 (88.3)	77/84 (91.7)	3.4 (-3.6, 10.4)	63/111 (56.8)	10/84 (11.9)	-44.9 (-55.0, -34.7)	4/111 (3.6)	14/84 (16.7)	13.1 (5.1, 21.0)
Female	240/264 (90.9)	155/159 (97.5)	6.6 (2.5, 10.6)	196/264 (74.2)	27/159 (17.0)	-57.3 (-64.5, -50.0)	5/264 (1.9)	26/159 (16.4)	14.5 (8.7, 20.2)
Gender diverse†	14/17 (82.4)	10/13 (76.9)	-5.4 (-36.3, 25.4)	12/17 (70.6)	4/13 (30.8)	-39.8 (-78.4, -1.2)	1/17 (5.9)	4/13 (30.8)	24.9 (1.3, 48.5)
Age									
18-29	274/299 (91.6)	181/191 (94.8)	3.1 (-1.2, 7.4)	202/299 (67.6)	32/191 (16.8)	-50.8 (-57.7, -44.0)	8/299 (2.7)	30/191 (15.7)	13.0 (7.8, 18.2)
30+	78/93 (83.9)	61/65 (93.8)	10.0 (2.3, 17.6)	69/93 (74.2)	9/65 (13.8)	-60.3 (-71.8, -48.9)	2/93 (2.2)	14/65 (21.5)	19.4 (9.9, 28.8)
Sexual identity‡									
Heterosexual	190/212 (89.6)	141/148 (95.3)	5.6 (0.6, 10.7)	148/212 (69.8)	27/148 (18.2)	-51.6 (-59.3, -43.8)	4/212 (1.9)	21/148 (14.2)	12.3 (6.7, 17.9)
MSM	54/59 (91.5)	38/40 (95.0)	3.5 (-2.6, 9.5)	34/59 (57.6)	2/40 (5.0)	-52.6 (-66.1, -39.1)	2/59 (3.4)	5/40 (12.5)	9.1 (-0.9, 19.1)
WSW	97/107 (90.7)	53/55 (96.4)	5.7 (-1.0, 12.4)	79/107 (73.8)	8/55 (14.5)	-59.3 (-71.4, -47.2)	3/107 (2.8)	14/55 (25.5)	22.7 (10.9, 34.4)
Other	11/14 (78.6)	9/12 (75.0)	-3.6 (-38.6, 31.4)	10/14 (71.4)	4/12 (33.3)	-38.1 (-79.3, 3.1)	1/14 (7.1)	4/12 (33.3)	26.2 (0.5, 51.9)
Relationship status§									
In a relationship and cohabiting	58/69 (84.1)	22/23 (95.7)	11.6 (1.5, 21.7)	41/69 (59.4)	0/23 (0.0)	N/A	2/69 (2.9)	4/23 (17.4)	14.5 (-0.6, 29.6)
In a relationship, not cohabiting	76/86 (88.4)	16/20 (80.0)	-8.4 (-25.3, 8.5)	63/86 (73.3)	3/20 (15.0)	-58.3 (-75.7, -40.7)	2/86 (2.3)	1/20 (5.0)	2.7 (-7.5, 12.9)
Single	198/213 (93.0)	188/196 (96.0)	3.0 (-1.3, 7.2)	148/213 (69.5)	33/196 (16.8)	-52.6 (-59.8, -45.5)	5/213 (2.4)	33/196 (16.8)	14.5 (9.3, 19.7)
Other	20/24 (83.3)	16/17 (94.1)	1.8 (-8.7, 30.2)	19/24 (79.2)	5/17 (29.4)	-49.7 (-81.1, -18.4)	1/24 (4.2)	6/17 (35.3)	31.1 (9.3, 52.9)

Supplementary Table 4 continued: Use of dating apps in lockdown compared with 2019 by participant gender, age, sexual identity and relationship status

	Organising face-to face-hook-ups			Sexting			Swapping pictures and videos		
	2019 n/N* (%)	2020 n/N* (%)	Diff (95% CI)	2019 n/N* (%)	2020 n/N* (%)	Diff (95% CI)	2019 n/N* (%)	2020 n/N* (%)	Diff (95% CI)
Overall	183/392 (46.7)	38/256 (14.8)	-31.8 (-37.8, -25.9)	125/392 (31.9)	83/256 (32.4)	0.5 (-5.1, 6.2)	113/392 (28.8)	78/256 (30.5)	1.6 (-3.5, 6.9)
Gender									
Male	68/111 (61.3)	17/84 (20.2)	-41.0 (-52.2, -29.9)	48/111 (43.2)	37/84 (44.0)	0.8 (-10.0, 11.6)	53/111 (47.7)	37/84 (44.0)	-3.7 (-13.7, 5.7)
Female	103/264 (39.0)	18/159 (11.3)	-27.7 (-34.7, -20.7)	70/264 (26.5)	39/159 (24.5)	-2.0 (-8.6, 4.6)	55/264 (20.8)	36/159 (22.6)	1.8 (-4.5, 8.1)
Gender diverse†	12/17 (70.6)	3/13 (23.1)	-47.5 (-80.9, -14.2)	7/17 (41.2)	7/13 (53.9)	12.7 (-13.5, 38.9)	5/17 (29.4)	5/13 (38.5)	9.0 (-11.3, 29.4)
Age									
18-29	134/299 (44.8)	29/191 (15.2)	-29.6 (-36.7, -22.6)	94/299 (31.4)	62/191 (32.5)	1.0 (-5.6, 7.7)	73/299 (24.4)	56/191 (29.3)	4.9 (-1.2, 11.0)
30+	49/93 (52.7)	9/65 (13.8)	-38.8 (-50.2, -27.5)	31/93 (33.3)	21/65 (32.3)	-1.0 (-11.9, 9.8)	40/93 (43.0)	22/65 (33.8)	-9.2 (-19.1, 0.8)
Sexual identity‡									
Heterosexual	80/212 (37.7)	22/148 (14.9)	-22.9 (-30.4, -15.3)	51/212 (24.1)	35/148 (23.6)	-0.4 (-7.2, 6.3)	41/212 (19.3)	33/148 (22.3)	3.0 (-3.3, 9.3)
MSM	48/59 (81.4)	7/40 (17.5)	-63.9 (-79.1, -48.6)	37/59 (62.7)	24/40 (60.0)	-2.7 (-19.7, 14.3)	42/59 (71.2)	25/40 (62.5)	-8.7 (-21.9, 4.5)
WSW	47/107 (43.9)	6/55 (10.9)	-33.0 (-44.9, -21.1)	34/107 (31.8)	19/55 (34.5)	2.8 (-9.7, 15.2)	28/107 (26.2)	17/55 (30.9)	4.7 (-7.3, 16.8)
Other	8/14 (57.1)	3/12 (25.0)	-32.1 (-68.4, 4.1)	3/14 (21.4)	5/12 (41.7)	20.2 (-7.6, 48.1)	2/14 (14.3)	3/12 (25.0)	10.7 (-7.1, 28.5)
Relationship status§									
In a relationship and cohabiting	33/69 (47.8)	2/23 (8.7)	-39.1 (-54.5, -23.7)	21/69 (30.4)	9/23 (39.1)	8.7 (-11.1, 28.5)	24/69 (34.8)	10/23 (43.5)	8.7 (-10.2, 27.6)
In a relationship, not cohabiting	26/86 (30.2)	4/20 (20.0)	-10.2 (-28.3, 7.9)	19/86 (22.1)	7/20 (35.0)	12.9 (-8.0, 33.8)	16/86 (18.6)	4/20 (20.0)	1.4 (-15.6, 18.4)
Single	111/213 (52.1)	28/196 (14.3)	-37.8 (-45.3, -30.3)	76/213 (35.7)	62/196 (31.6)	-4.0 (-10.5, 2.4)	66/213 (31.0)	61/196 (31.1)	0.1 (-5.8, 6.1)
Other	13/24 (54.2)	4/17 (23.5)	-30.6 (-56.9, -4.4)	9/24 (37.5)	5/17 (29.4)	-8.1 (-33.6, 17.4)	7/24 (29.2)	3/17 (17.6)	-11.5 (-33.0, 10.0)

Diff = difference in proportions, lockdown-2019. Calculated from logistic regression model; *N=number of people reporting sex during the time period and answering the question; †gender diverse includes trans and non-binary; ‡MSM=men who have sex with men (including bisexual men); WSW=women who have sex with women (including bisexual women); Other=asexual and non-binary, and those who selected 'something else' § 'In a relationship'= married/de facto/boyfriend/girlfriend/LAT (living apart together) or long distance relationship; 'cohabiting'=living with partner/s; Single=single/divorced/widowed (and did not select another relationship); Other=polyamorous or multiple partners (and did not select another relationship option, such as single), and those who indicated in comments that they were casually dating, but not exclusive.